

PRIOR ART

**FIG. 1**

Investor: Mikhail Godkin Sheet 1 of 6  
 Atomy Cary et al - GSekimura/415-836-2500  
 Express Mail Label No. 2102483-906310  
 for Long Stroke Linear Voice Coil Actuator ...  
 new Non-Provisional Application  
 EXP0388580US

FORCE VS. STROKE CHARACTERISTIC OF THE PRIOR ART

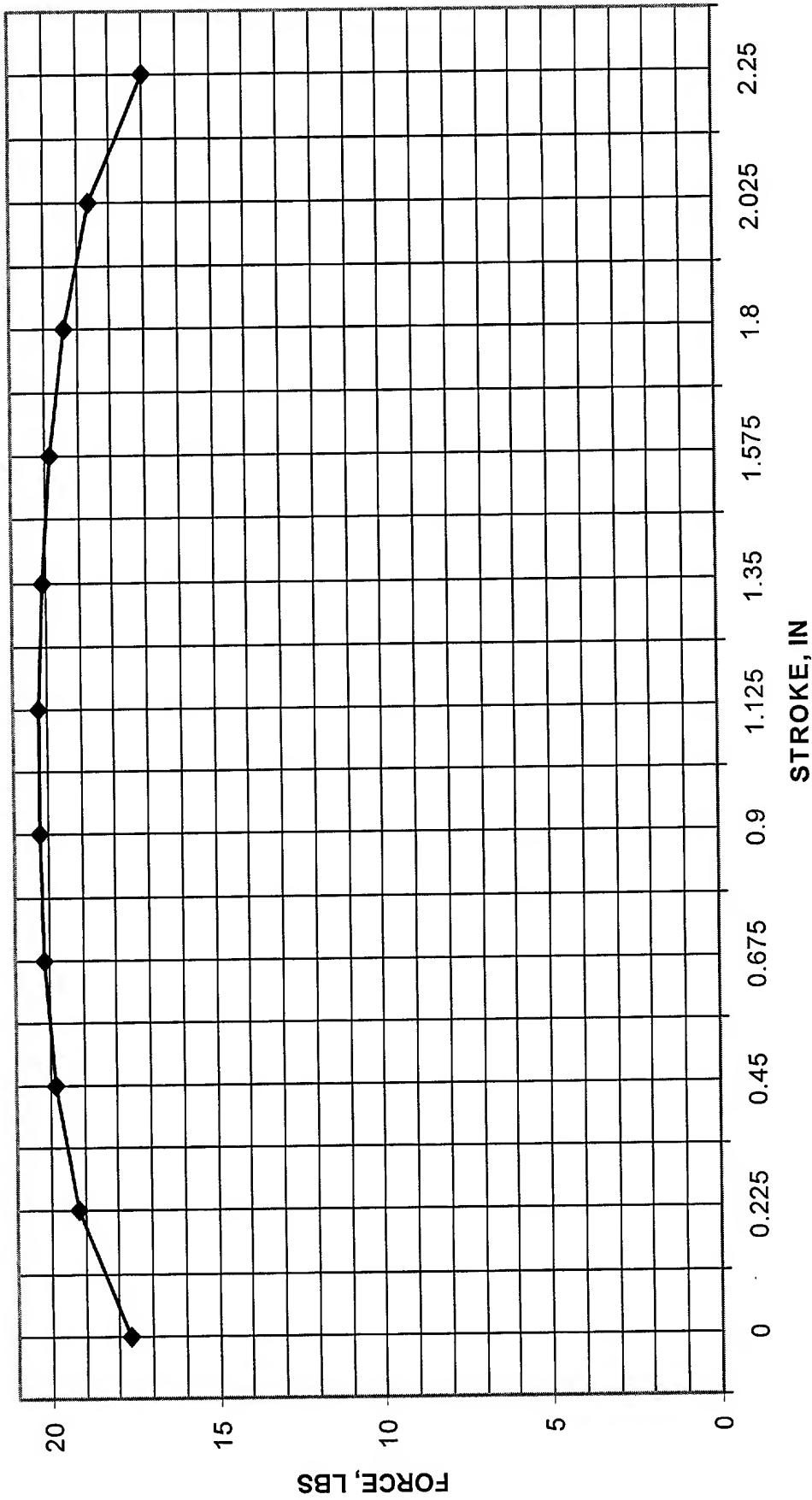
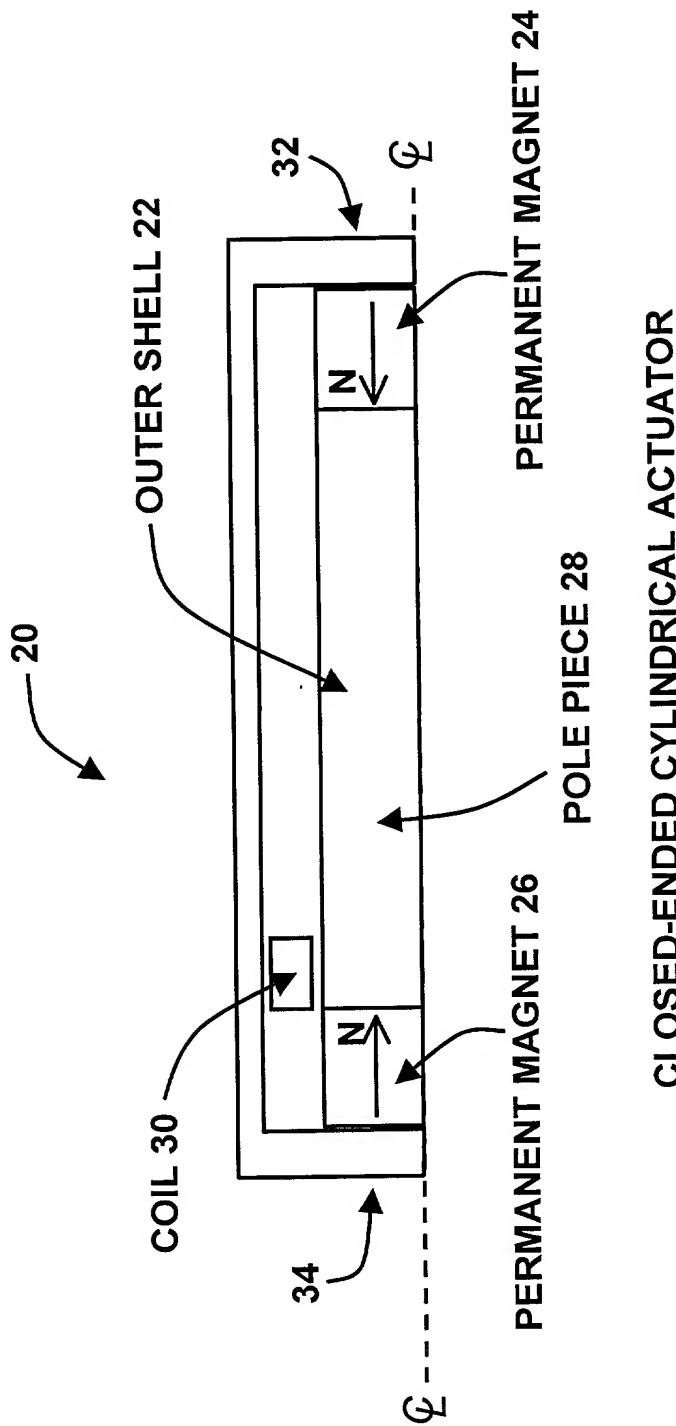


FIG. 2

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Attorney Docket No.: 2102483-906310  
Express Mail Label No.: EL864388580US  
for Long Stroke Linear Voice Coil Actuator  
new Non-Provisional Application  
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**FIG. 3**

CLOSED-ENDED CYLINDRICAL ACTUATOR

## FORCE VS. STROKE CHARACTERISTIC OF A CLOSED-ENDED CYLINDRICAL ACTUATOR

—♦— LEFT-TO-RIGHT —■— RIGHT-TO-LEFT

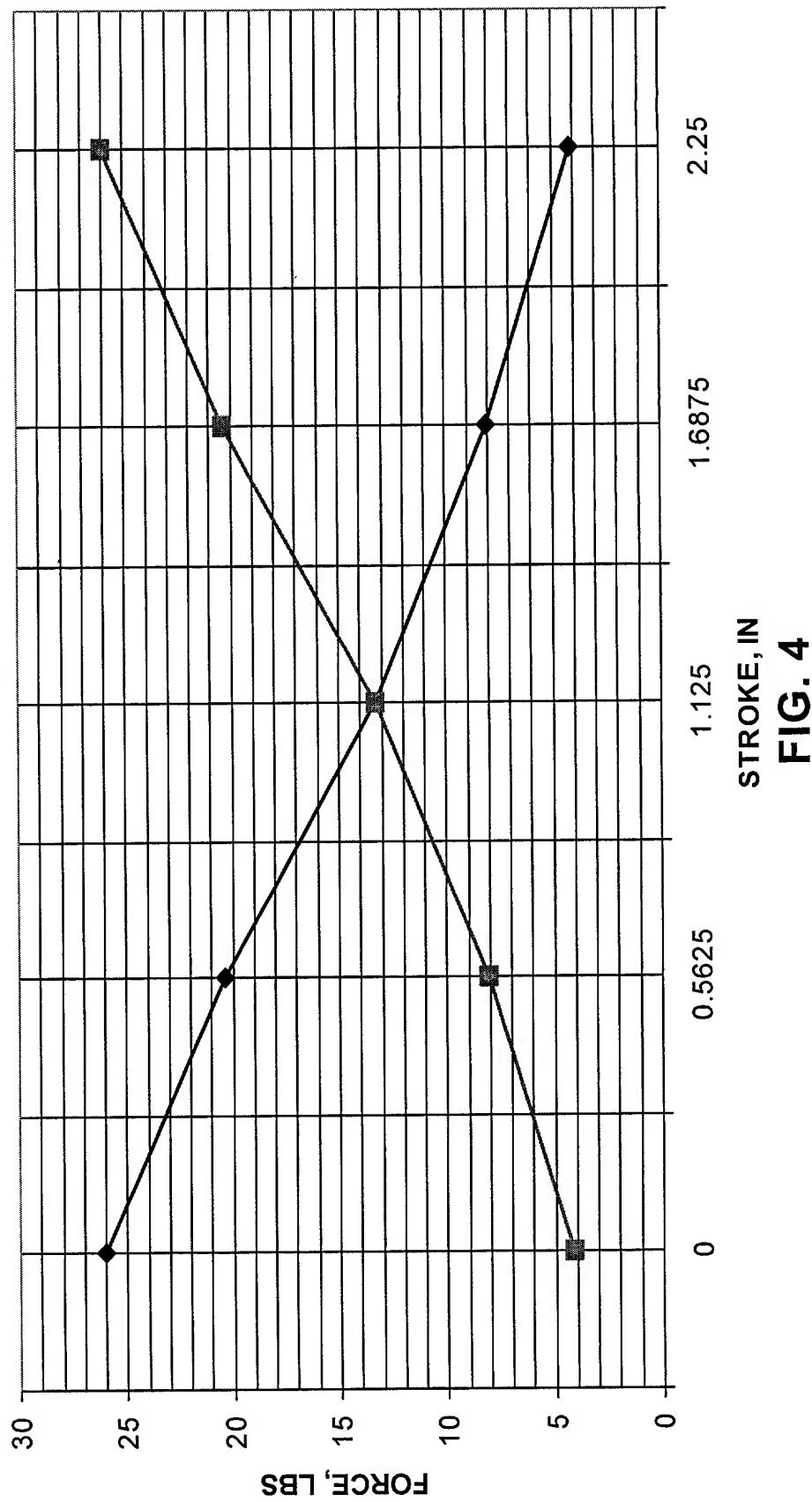
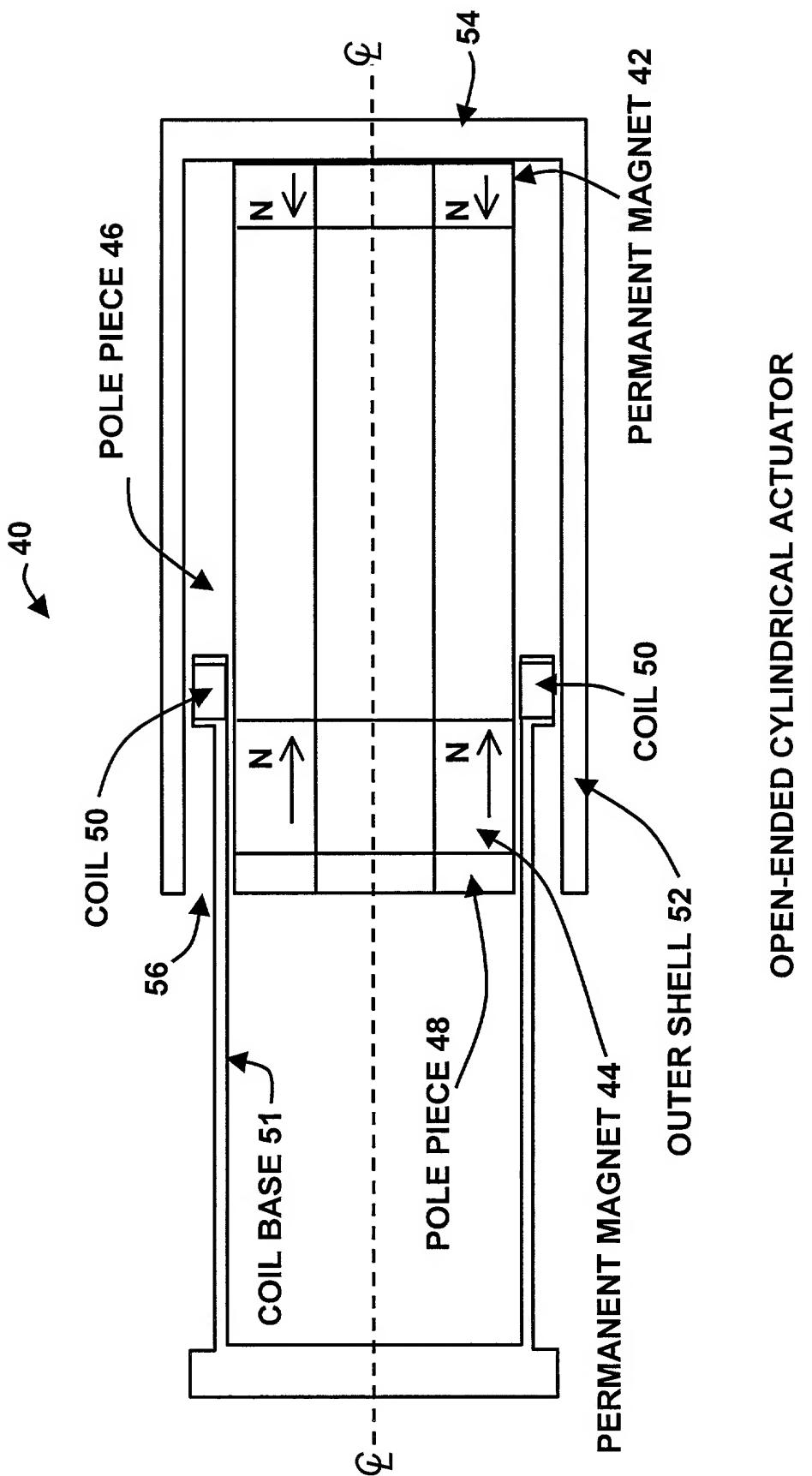


FIG. 4

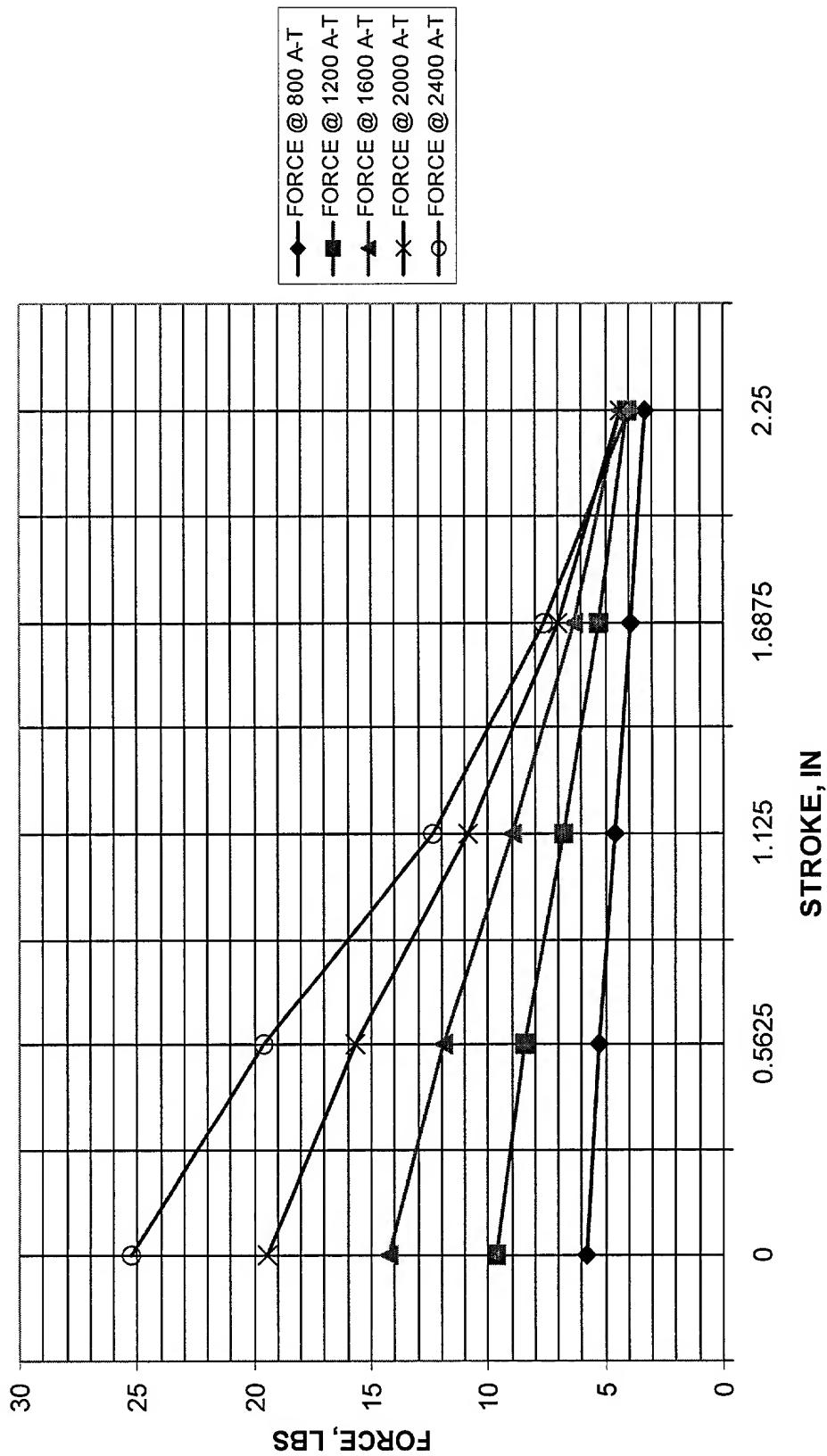
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Instrument Mikhail Godkin Sheet 4 of 6



OPEN-ENDED CYLINDRICAL ACTUATOR  
FIG. 5

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**FORCE VS. STROKE CHARACTERISTICS OF  
AN OPEN-ENDED CYLINDRICAL ACTUATOR**



**FIG. 6**

new Non-Provisional Application  
for Long Stroke Linear Voice Coil Actuator ...  
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